

THE OUTCROP.

Devoted to the Mining and Development of the Windermere and Golden Divisions of the District of North East Kootenay.

Vol. I., No. 43.

Canterbury, B. C., Thursday, March 28, 1901.

\$3.00 Per Year.

Cost of Ore
Freight and
Treatment
within
15 Miles of
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River
Copper, \$20
Silver,
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staked

FOUR GROUPS UNDER BOND

Richmond Mining Co., of N. Y.

The Richmond Mining Company of New York, N.Y., have taken bonds of four groups of claims in this district and will put men to work on all of them this summer.

The properties bonded are the Silver Pass group on Horse Thief creek, Morning glory on Copper creek, Moonlight on Horse Thief and Monark and Macdonald the Little North Fork of Toly creek.

W. McPherson, mining engineer and expert for the company, who was here last fall, is to be here again by June 1st, and has sent instructions to Messrs. J. Jones and J. Ellis to start the work of prospecting on all four groups so that they put men to work on their arrival. Mr. McPherson is a well-known engineer having been connected with different mines in West Kootenay, also in Colorado, Montana and California.

The present owners of the Morning glory have been endeavoring, with the aid of the Outcrop, to get a single acre today creek and have the Copper creek responded, and have informed Mr. J. H. Wells has given his consent to have the work done. This is right as the prospectors a contract to drill without aid, which is a contract with windfalls and is built in need of repair.

Paraffine oil is considered best for insulating induction coil.

It is reported that nitrate deposits of great value and quite extensive have been discovered in British Columbia. The principal supply of barium.

Antimony in any form and copper carbides make fire always for low intensity. Wet methods must be resorted to, were their presence known.

The secretary of the Copper Producers' Association places the output from the mines of the United States for the year 1900 at 2,000,000 pounds, and the exports at 178,754 tons.

Aerial barometers may be used to measure the depth of a mine. They provide a number of trips are made and the average taken, the error, in no instance, to be stopped in transit between surface and bottom.

Copper pyrites is easily scratched with a knife and crumbles easily with a hammer. Iron pyrites does not scratch with a knife. Pyrite ore is a chalcopyrite, or a mixture of iron and copper pyrites, oxidation forming the blue and purple tints. Red oxide (cuprite) is the most valuable of copper ores, and generally carries gold and silver. It is sometimes found in small quantities. Its specific gravity is 8; that of chalcocite, 8.

Aluminum is, at the present price, the cheapest metal on the market, with the exception of iron, zinc and lead, says the Electrical Review, London. The metal is now extensively used in place of copper, brass, tin, and in some cases even iron, especially where the reduction of weight is a question of great importance. Aluminum is also beginning to be very largely used in connection with electricity, as electrical conductors, and in metal, giving the same conductivity, as copper, weight only half as much, and cost less. It is impossible to foresee the ultimate extent of the use to which this metal can be put, but the progress made in aluminum during the last years justifies the most sanguine expectations. Twenty years ago the total output in the world did not exceed four tons, and the price was about \$100.00 per ton; ten years ago the price was reduced to about \$10.00 per ton, the output increased to about 30 tons per year, and the price fell to \$15.00 per ton; and the output at the end of the past 12 months is reckoned at 5,000 tons.

"In the early stages of mine development when work is necessarily prosecuted from the surface down to shallow

depths, prospect tunnels, though often used, are seldom successful, and if the experience of the past has proved anything in mining, it is that the proper way to open up a new mine is to search along the outcrop for the richest and strongest ore shaft and begin work upon it, never losing sight of the ore, no matter how irregular the early workings may become. When the ore zone or vein runs at right angles to the drainage system of the country, especially where the valleys are deep and the mountain slopes steep and precipitous, the chances may practically be treated as an immense natural adit opening up the property to a depth as great as from the highest outcrop to the bottom of the canyon. If from the sides of these great natural openings, drifts can be driven in at regular intervals along the vein to provide for the removal of ore, water and waste, we have the ideal conditions for cheap mining. Unfortunately, however, the course of the vein or ore zone is often parallel to, instead of across, the drainage system; in which case during the first few years of development, the mines must be opened by vertical or inclined shafts. As depth is gained in the openings, the expenses of mining steadily increase, but, unless large volumes of water are encountered, the rise of mining expenses due to increased depth is rarely so great as to call for any extraordinary expenditure. With a heavy influx of water, however, not only an increased expense for pumping to the surface, but the necessity for excessive expenditure in the form of a duplicate pumping plant to reduce as far as possible the risk of accident, and the consequent disaster of flooding the property. Under these conditions when a mine or number of mines have been developed on sufficient depth to prove beyond any reasonable doubt, that the ore bodies will continue on their course without interruption, it is sufficient to justify the expenditure, it is to consider the question of tunneling from the level to the nearest available level."

The new kitchen to the Windermere District Hospital is in course of erection, and the whole interior of the main building is being altered. Every man in this district should hold a ticket of this institution and help support it.

When the prodigal son comes back again his dad falls on his neck and orders up the breaded veal cutlets. When the prodigal daughter wanders home she is not given even a ham sandwich, but is inhumanly to woman kept the scotch herring—Lodge.

Subscribe for the Outcrop.

"We are not much of a sport," says a Kansas editor, "but when we meet a cinder in the road we recognize it. We had made the following bargain with a friend yesterday: We were to stand at a given point half an hour and watch the ladies who passed. For every lady who reached her hand back to see if her skirt was gaping or to tuck it under her belt, we were to receive a nickel. For every one who failed to do so in saluting a black we were to give him a dime. We got sixty-two nickels from him and gave him one dime—a lady with both arms off came along."

Local Outcrops.

Subscribe for the Outcrop.

The Peterson saw mill is running once more.

The cayuses are returning to town in large bands.

Jack Watson left for his home in Manitoba last week.

Snow has practically disappeared from Columbia valley.

Peterboro citizens are already talking of celebrating May 24th.

The assessment work for the season has already been started.

Prospectors are preparing to depart for the hills at an early date.

Old St. Nelson goes off shift in the Columbia Valley these days.

The Hotel Canterbury shift game occasionally shifts off to last hill.

The ice on Windermere lake is honey combed and unsafe to travel upon.

R. MacDonald Bruce has had plans prepared for another residence at Peterboro.

H. G. Gordon started for Golden yesterday with his four-horse team for freight.

The agriculturists of this district are getting in their work now. Plowing is the order of the day.

Jasper Leve is busily engaged erecting a dwelling house on Main street, south of the Outcrop office.

The Windermere baseball team will be in evidence this season and hope to clean up everything in the valley.

W. S. Sanle's new Canterbury store is fast nearing completion and will be ready for occupation in a short time.

Chas. Cartwright has reopened the Elk Park Ranch, Company's butcher shop at Atholville for the season's business.

The Windermere Division's prospects for the season's rush received the finishing touches when the Red Line deal was consummated.

Messrs. J. A. Harvey and R. L. T. Galtbraith arrived in Windermere from Fort Steele on Friday and returned home again Monday.

Don't forget to purchase \$1 worth of amusement in House Maids' hall, on Easter Monday.

A baseball team is being organized in Canterbury. Already sufficient funds have been subscribed to purchase the necessary supplies.

Silver lead mines have made the quick decision to leave the south end. The majority of the mines and prospects in this camp are silver-lead.

The Dominion Government while in the commission business should put one cent on the cost of an effort "spack" ads have on suffering humanity.

The Atholville baseball team have not yet announced their intentions for the coming season, but they will eventually. With other Canamers as captain they should hit the home base every time.

The Outcrop is always pleased to get items of news from any locality, provided the writer does not indulge in offensive personalities or interfere with the time of the reader.

The Dominion Government are considering the advisability of appointing a commission to investigate the whole position of Canadian mining. Now is the time to do it.

It is stated that efforts are being put forth by interested parties to have the Government construct a wagon road from the end of Toly road up Spring creek to Paradise basin.

When in Windermere Mr. R. L. T. Galtbraith sent word to the Outcrop that the charter for Jim Hills railway to the Crown's North Fork was sure to be granted. We hope he is right.

A prospectors' concert is to be given at Peterboro shortly. The talent is to be all supplied by the prospectors, and some original and novel selections will be given, and is to end with a theatrical performance.

The Maygrange hall has been declared off as it was found a difficult matter to obtain continues, but a grand House Maids' hall will give in its stead on Monday, April 30. See plans for further information and tickets may be purchased for \$1.00. The Atholville hall will be held devoted for the occasion.

Red Line Bond

Now Taken Up

The Final Payment of the \$50,000.00 Bond is Made—This District's Only Drawback Removed

On Saturday the bond on the Red Line group was taken up, cheques being issued to the original owners of the group.

The payment of this bond was expected to be made some weeks ago and some had begun to fear that the bond would not be taken up, but when it was learned that Mr. J. A. Harvey, solicitor for the bondholders, had arrived from Fort Steele it was a relief to all interested in the welfare and development of this district. The reason of so much general satisfaction at the lifting of this bond is not the amount of money which it puts in circulation, but the simple fact that the "deal has gone through," and what it means to this district.

The Red Line group was staked several years ago, but allowed to run out and as a consequence quite a number of prospectors made a rush to re-stake it. Messrs. B. Abel, P. Larson, W. Kenner, G. Scott and J. Watt arrived on the ground at the same time and then agreed to stake it as partners. W. Kenner afterwards transferring one-half of his fifth interest to W. T. Tait.

About August, 1899, Messrs. Starbird and Collett secured a bond on the group for \$50,000 and a few months later made a payment of \$10,000. (Just here it may be well to state that Gov. McIntosh sent Mr. MacDonald, mine inspector for this Province at one time, to report on the property for the B. A. C., and that he did not report favorably, whose judgment is now at a discount, although it proved injurious at the time.) Starbird and Collett showed their good judgment and succeeded in interesting a New York syndicate, and work was carried on during the winter of 1899 and 1900. Then some difficulty arose and work ceased, but in May last the bond was renewed and a discount allowed. Work was resumed, last fall on a 400-foot crosscut tunnel from the Iron Cap claim, one of the group, and has since been steadily carried on.

In January the syndicate made an offer of payment in full at a discount on February 1st, which was accepted by the owners, but owing to difficulties which arose over the transferring of some interests payment was deferred until Saturday.

The syndicate is a close corporation and their dealings are kept very quiet, but from all the Outcrop learns from the original owners the full amount paid them for the group amounts to about \$10,000.

Messrs. Starbird and Collett are to be congratulated upon the success which has attended their untiring efforts in working the property, as there can be no doubt with the good showings that the group will prove a good paying proposition.

The main features of the consummation of this deal are that the building of the Horse Thief road is assured, as on it hinged to a great extent the government's decision, and there is now left no reason for capitalists to doubt the mineral resources of the Windermere Division.

The Red Line group is in future to be known as the McDonald Mines, and is situated on McDonald creek, a tributary of Horse Thief.

THE EAST KOOTENAY

at Steele Prospector.

Extensive gold and silver workings are being developed on Perry creek.

Petroleum is found in the extreme south-eastern portion of the district.

Extensive bodies of iron have been discovered in the vicinity of Elk river and Sand creek.

Copper ore in abundances are found on the St. Mary's river and its tributaries.

The North Star, Sullivan and Eugene mines are making daily shipments, amounting to 300 tons.

At the present time is required for smelting fluxes, such as limestone and hematite iron ore are found in this district.

The Mount Shaker Company are working on a 10-inch vein of galena, striking a mine in N. E. Trench, which is about 20 feet.

The coal beds of the Crown's North Pass, consisting of over 250,000 acres, are situated in this district. The daily output of the Fernie mines is 1100 tons.

The Stanley group of mines are situated on Toly creek. The group consists of three claims, Stanley, Golden Fleece and Silver Dollar. The Stanley is an extension of the Estella on the north-east, and the Golden Fleece runs through the latter claim. The development consists of several open cuts and a tunnel in 1900.

A contract has been let for another 50 feet to Wm. Forsyth and Tom Rae and will cost \$25,000 to the mine.

Windermere Hall

The citizens of Windermere are to be congratulated upon their push and energy in building their town hall. Windermere is the oldest town in this district, and the inhabitants have a great faith in the future, and at all times are ambitious to forward the interests of their own. Their latest ambition has been to build a town hall and a place where the citizens can assemble.

The citizens have inaugurated in this undertaking and have decided to issue 25 shares in the building, each share for \$10.00.

Twenty shares have already been subscribed for and there is little doubt that the remainder will find ready purchasers.

HUGE SUCCESS

The Presbyterian Social and Dance

The social given in aid of the Presbyterian Mission in the Atholville Hall Tuesday evening was a success. A short program of songs, recitations and instrumental selections was rendered by talent from the different towns. The entertainment was given with an instrumental selection by Mrs. T. Ryan and followed by a song from Rev. Mr. Dargan, who as an encore gave "The Telegraph Line from Golden to Windermere," a good rendition of his own manufacture. Masters Arthur Mills and Eddie Harrison gave recitations and were heartily applauded. Mrs. J. Jones sang "Old Kentucky." Mrs. J. Simpson sang "Matrimony" and "The Baptist Preacher." Mrs. Larnes recited "The Organ Builder" in a most efficient style, while Mrs. Pitts' song was well rendered and most appreciated. Several good selections were given by Mr. Geo. Martin on his grand piano.

Then came a sumptuous repast which as usual equalled the best of the hall of this district can produce, and that is saying a great deal.

The remainder of the night was spent in tripping the light fantastic, which was kept up until the morning. The hall was well filled and the proceeds amounted to a good figure.

Subscribe for the Outcrop.

Now that the "black eye" given this camp last year has been proven false this camp is sure to attract the attention of capitalists and prospectors.

Rev. J. G. Duncan will conduct divine services next Sunday in the Presbyterian church in Windermere, at 11 a. m.; Atholville, 3 p. m. and Peterborough at 7:30 p. m.

The B. C. Official Gazette contains the information that the answer will be held at Nelson on May 7th, and from private information we learn that Fred Collins, who is charged with murdering Arthur Dunda at Peterboro, is to be tried at Nelson. It is quite likely that H. McNeil will also be tried at the same time.

The Peterboro baseball club members are getting in shape for the season. A number of the boys are going to the last spring and the doctor promises to give his attention to the remainder. They say that in a month's time they will be in shape to knock out any team in the district.

Last week Officer W. H. Barnes went down to Golden to attend the trial of Herbert McNeil charged with the blowing up of the Chinese laundry in Atholville last August, and took with him W. Bennett of Peterboro and the Chinese members of the Atholville society.

The case resulted in McNeil being set up for trial at the next assizes. He has since been taken to Nelson to await his trial.

Some people who have little else to do but pay attention to their fellow's business have advised a editor of receiving payment for items which have appeared in the Outcrop from time to time concerning the workings of the Paradise and Silver Bell properties. As a matter of fact we have never received a dollar from the owners of either property for publishing news about them, although we have no reason for concern if we had. Mines should be advertised and if the owners receive value from the efforts of a paper, their compensation is in order. However, there is to be no payment for our news has always been authentic and we will be pleased to do as much for other owners provided their properties merit it.

The following notice is receiving considerable attention and we will give one year's subscription of the Outcrop to the first person sending in a satisfactory explanation: A woman had two boys. She gave them each 33 apples to sell. One boy sold his at three for a cent, realizing 10 cents for his 30 apples. The other boy sold his at two for a cent, thus realizing 15 cents for his 30 apples; the 10 apples realizing 25 cents. The mother thought that was just a good business and took 60 apples home, which she proceeded to sell at the same rate as the boys, namely, five for two cents, but when she added her 30 apples she had only 24 cents for her 60 apples. Where does the difference come in? Fractions not allowable.

THE OUTCROP.

Published Every Thursday in the heart of a Wonderfully Rich Mineral and Agricultural District.

Subscription, - - \$3.00 a Year.

W. P. EVANS, Promoter of Publication, - - - Proprietor.

CANTEBURY, B.C., THURSDAY, MARCH 28, 1901.

The Legislature should at the present session organize a department of the game service to which the duty of the preservation of the forests should be assigned, and a system for the close inquiry into the origin of timber fires, and for the enforcement of the law in regard to fires carelessly or maliciously caused, and with means and authority to extinguish incipient fires where it is possible.

The Outcrop is sending accounts to all who are indebted to us and would respectfully request immediate returns as we are in need of collateral. We hope you will be in a position to employ more assistance and improve this paper in more ways than one. Subscribers will make note that all unpaid bills will be stopped on April 1st. The amounts are small but we need them.

The proposed amendment to the mineral act will make a radical change in locations and is highly commendable. It provides that 10 feet of work must be done before recording and allows 90 days in which to do the work. This will materially assist in reducing the number of "wild-cats" and keep open for location many properties that otherwise would be held by the system of re-locating. If an inspector was appointed to inspect the assessment work the wild-cat business would soon become antiquated.

Labor is claiming its own. In Great Britain an eight-hour mining law has passed its second reading. The state legislature of Oregon has just passed an eight-hour law for miners, mill men and all classes of labor relating to mining. In the state of Montana the long struggle has been won and an eight-hour law for miners now graces the statute books of the copper state. In Colorado the labor members have control of the legislature and an eight-hour mining law will find its place among the statutes within thirty days. Even in the old Keystone state of Pennsylvania the agitation is being felt and the coal miners who struck against starvation wages last fall may soon be enjoying an eight-hour shift. In Ontario also an eight-hour law is talked of.—Paystreak.

The sins of previous ministers are being visited upon the heads of the present government, says an exchange in discussing the proposed increase in the poll tax. The statement is true, indeed. While it must be admitted that there is necessity of more revenue in order to carry on our ever expanding educational system there is undoubtedly room for much discussion. But when all is considered it appears about as fair to add to the poll tax as any other tax as it is an equal tax on all persons. Tax poll tax is the only means at present to collect from hundreds of Chinese and Japanese and many other men, and if they be allowed the privileges of other persons they should assist. Another feature of the change is that the Legislature will collect the poll tax. Although the cities object to this it is the only fair method as evidenced by the following fact quoted by Hon. J. D. Prentice: "Over 200 Japs were about to leave Victoria to work at a cannery at Steveston when Collector Winslow swooped down on the steamer and demanded \$3 a head." There is good reason for objecting to the manner in which this revenue is collected. In most of the provinces it is usual to permit a man to spend a few dollars in a country and to notify him before his resources are levied upon, instead of descending upon his employers and leaving him the receipt of the state as a notification that the vigilant eye of the tax collector had spotted him. The policy appears to a stranger to be: Treat a man as a rogue until he is proved one.

Some of the mine owners and capitalists are at the present time making a vigorous kick about everything connected with mining in this Province. They kick about the smelting charges, the refusal to accept ore, the combine, the freight charges, the recording fees, the cost of crown grants, the ore tax, the license, the wages paid, the hours of work, the miners' union, the roads and trails, the government generally, and in fact kick at everything and everybody. But up to the hour of going to press they cannot find even a gentle little kick about the amount of mineral or its values found in the treasure vaults of this Province. They may have good reasons to complain about certain things, but they should look more diligently for a way to overcome the difficulties.

Mr. R. F. Green, M.L.A., has suggested to the Legislature that they establish a smelter and refinery in this Province. The mining men should approve of this. It would be a step in the right direction. As these establishments would in a short time prove paying investments, the difficulties arising from over-taxation could be overcome. Besides the government would be enabled to foster the mining industry in many ways.

The Legislature is now considering very strongly the advisability of building a railway from the coast into the Kootenay, and as their predecessor did not give away quite all the coal lands, it would be strictly in line to operate these industries together.

Our Legislature can thus mine their own coal, operate their own railway, smelter and refinery at a good profit to the Province. Then why should they not do so?

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for the**Athalmer
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Company.****Athalmer****Lake & Co.
General
Merchants,**

Athalmer, - - B.C.

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East Kootenay. B.C.****R. S. GALLOP,
MINING AGENT.**

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receive our careful and
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tractors.**The Elk
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WINDERMERE, B.C.****General Merchants.****Mining Supplies a Specialty.**Just received **R.A.K.** Miner's Boots.
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All sizes from 6 to 11.

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Golden, - - British Columbia.



MY MOTHER'S BIBLE

MRS. NATION.

When Mrs Carrie Nation
Desires some recreation,
Or lively occupation,
With due deliberation,
And grim determination,
She leaves her habitation
And makes a demonstration
Against intoxication.
—she scores expostulation,
Ignores all explanations,
Puts me in operation.
At every liquor station
That comes in observation
And there's no hesitation
Until the devastation
Has reached its termination.
There's an Men agitation,
There's an liquor demonstration,
There's a very indignation
Over "hearts" in circulation:
But Mrs Carrie Nation
Displays no trepidation;
In fact her conversation
Is full of exultation.
With sorrow and vexation,
And sad-eyed contemplation
Of work of ruination.
This woman whose occupation
Has angered Mrs. Nation
Makes heated declaration
That he'd start litigation
And get re-education.
No sign of perturbation
Is shown by Mrs. Nation,
Far to her habitation
She goes in jubilation
And vows that re-education
Will have continuation
Till Kansas legislation
Has stopped intoxication.
—Pittsburg Chronicle-Telegraph.

CHRISTIAN NATIONS UNDER THE CURSE

A safe standard by which to value any civilization is the way it treats its women and children. Jesus was the Supreme Teacher of morals because He believed in the restless might of weakness. His appeal was not to the "moral list," to heroic force enlarged into pomp and idolatry, but to those unseen principles of justice, those changeless laws of life which sooner or later crush wrong and maintain right. He endured physical defeat in order to win moral and spiritual victory. And there is no more striking tribute to the truth of His message than the fact that those civilizations which only most closely His spirit are famous for their care of the weak.

Indian civilizations and religions are among the noblest in the world, and they have done much for the peoples of India. But they fall miserably at the vital point. They have done so well the nothing for the womanhood. The real difficulty lies in Mohammedanism and Hinduism, the dominant religions of the country. The inferior and unfortunate place of women is assigned to them as religious granite, and the real reason consists in the introduction of a better religion. The message of the Christian missionary is a message of revolution. It attacks directly and indirectly every wrong, individual and social. Jesus comes to set the prisoner free, to bring release to the captive, to heal wrongs, to life to the oppressed, to establish rightness. Christianity is absolutely intolerant of evil in every form, and once it gains a foothold it becomes a great light to those who sit in darkness. The day is coming when the suffering womanhood of India will join in the song of the typical Christian woman revered in all the world.

It is well to remember that Indian womanhood is not alone in its sufferings. What of Christian nations? We have exalted women to heroic places. She is wife, companion, mother, dearest of all the world. But Christian nations are still under the curse. What of nations of thousands of women who every year are offered upon the altar of foolish passions in our great cities? What about wives and children born into the hopeless condition of our slums? What about the ruthless commercialism that invades the home, scatters the children in a vain struggle for subsistence and degrades women to an industrial expiring with men? What of the voiceless multitudes silently bearing their shame and heartbreak as husbands and sons go down the dark path to a drunkard's grave? The age of civility will never cease while Christianity slumbers. When shall we see strong men assembling in defence of home and health against these foes? And instead men to fight for women, not against them. Here is the core of all social problems in all lands. Shall the strong serve and save the weak or shall we go on building our social structure upon the bones of those whom God loves?

The Lord's Spectator has the following to say of the prayer for his Majesty Edward VII, on his accession to the throne, which has been prescribed by his Grace the Archbishop of Canterbury: "What are we to think of a church which through its archbishop bids us pray 'for grace to obey our King cheerfully and willingly for conscience sake, that neither our sinful passions nor our private interests may disappoint his care for the public good,' and farther, that we 'may never be wanting in dutiful submission to his authority'?"

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WM. McNEISH, Proprietor.

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Prospectors
and Mining Men.

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Mining Men
and
Prospectors.

Finest Brands of Liquors and Cigars

Saddle and Pack Horses for Hire.

Free pasture for those who wish to leave their horses whilst going into the hills or staying in town.

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Athalmer, B. C.

North East Kootenay.



The HOTEL CANTERBURY,

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Canterbury, B. C.

Largest and Most Complete Hotel in the Windermere District.

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Sample Rooms for Commercial Men.

Headquarters for Mining Men.

Pack and Saddle Horses for Sale or Hire.

The Mining center of the

WINDERMERE DIVISION
IS
CANTERBURY

Being beautifully situated on the Lake and stretching back to Toly Creek it is the

Most Picturesque Spot in British Columbia.

CANTERBURY.

All Roads and Trails lead to

CANTERBURY.

Choice Lots from

\$40 to \$150.

TITLE PERFECT.

Townsite Crown Granted and Registered.

The Canterbury Townsite Co., Limited,

CANTERBURY,

North East Kootenay.

B. C.

WILL SILVER SUPERCHARGE

"If the price of gold goes down, another metal must be looked for to take up the difference in value. I think it is not silver, because silver is not found in alluvial plains and because owing to the difficulty in mining it will never change value."

This statement was made by Prof. Shaller, Harvard's geologist, in a lecture to the students in Sumner's theater. He predicted that within the next 30 years there would be an influx of gold such as the world has never known. Prof. Shaller bases his statement on geological conditions, combined with recent improvements in mining apparatus. He said in part:

"Within the past few years men have been mining out large portions of the earth's surface is charged with gold. Gold is insoluble, and when gravel layers are cut away it is not easily carried off by streams to the sea, as is the case with other metals. Instead, it is carried along, broken up into fine fragments and gradually deposited over alluvial plains. With the new systems of mining which have recently been discovered I should say the supply would be at once quadrupled. On the continent of America alone I have estimated that the amount of gold to be won from gravel within the next 100 years will be worth \$20,000,000."

"Up to the present time men have been gold hunting in search of gold, but the fact that it was so thinly scattered through the earth. They have been able to find only a scant amount of gravel, paying 15 to 20 cents to the cubic yard, but the expense of dredging has always been great that they have been unable to extract it with profit. Now, however, the dredges have been greatly improved. Within the past three years dredges have been operated in Russia and in the United States, especially in Louisville, Ky., which have proved beyond question that alluvial soil can be profitably worked for gold. In the United States there are from 6000 to 8000 square miles which will give miners employment and which can be accurately depended upon for producing gold. Similar areas in Russia, India, Africa and Australia will find the market, and if the value of gold remains the same the quantity will increase tenfold by the middle of the century."

"The production may be limited, however, by a simultaneous rise in the price of labor and by the fact that the mines in South Africa and in other places where the gold rock is worked cannot be operated by reason of the increased expense. Still, there will be a vast influx, and what its effect will be cannot be easily said. It may play havoc with commerce, but to my mind it is likely to bring about the long looked for golden age, an age of peace, prosperity and hope."

The New Star.

Astronomers all over the world appear to be taking the greatest interest in the new star which has suddenly appeared in the constellation of Perseus, in fact they regard its advent as one of the most important astronomical events which have occurred for many generations. Not since 1670 has a similar phenomenon been presented to the eye of man. It will, therefore, be watched with untiring interest, while it lasts, which may be for some weeks or months. It is noteworthy that the star was apparently not visible a few weeks ago, and yet it is as bright now as some of the first magnitude stars.

The Nova, for such is the name given to such stars, will be found in the very heart of the constellation mentioned, midway, as it were, between the three brightest stars in it, of which one is nearest neighbor to the southwest, is the celebrated variable Algol. It is shining with the brilliancy of Capella, the splendid sun in Auriga, which it resembles to a marvelous degree in size and color. Capella is to the east of the new star, which will probably be known as Nova Persei, and should be observed for every student of science.

According to reports the star was examined both telescopically and spectroscopically in Toronto by a number of the members of the Astronomical society. This star is a beautiful object, being of a whitish-yellow, with a tint of purple. It is said to present a peculiar spectrum, having many dark and hydrogen lines. No doubt the Nova will prove to be one of the most interesting astronomical phenomena of the year, and possibly, of the century, for there appear to have been not more than four of such stars, including this one, since 159 B. C.

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A reader of the house, who at one time held the office of prime minister was noted for his indolent gentle manner and the soft drivel with which he sent stinging sarcasms home to his opponents. One of his long suffering victims, however, dealt him a telling blow by complaining that the honorable member had been rude to him. "His manner," he asserted, "was not ungentlemanly, but less lady-like than usual."

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PUBLIC AUCTION SALE

By order of the Official Administrator.

FOR SALE by Public Auction, the goods, chattels and effects of the late John Simon, of Windermere, on Monday, April 30, 1901. Including a good cow and 300 pounds of potatoes more or less, in quantities to suit purchasers. Terms, CASH.

JOHN BULMAN, Agent.

Notice.

Take notice that thirty days from the date of this notice to apply to the Honorable the Chief Commissioner of Lands and Works for a special license to cut and carry away timber from the bounding described lands, from a point at a point located on the west side of Windermere Lake, and about three and a half miles therefrom, and about 1000 yards south of John's creek running thereon in a westerly direction to the lake, there is a westerly direction 120 chains, thence in an easterly direction 80 chains, thence in a westerly direction 120 chains to place of commencement, containing 1000 acres more or less.

J. A. STODART.

Dated at Windermere, B.C., this 7th day of February, A.D. 1901.

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